

## Table of Contents

<b>1.0</b>	<b>INTRODUCTION .....</b>	<b>1</b>
1.1	Overview.....	1
1.2	Trends and Developments.....	3
<b>2.0</b>	<b>CURRENT RAIL SYSTEM IN INDIANA.....</b>	<b>3</b>
2.1	Indiana Regions, Network and Traffic Base.....	4
2.1.2	Regional and Short Line Railroads .....	11
2.2	Railroad Profiles.....	12
2.2.1	Class I Railroads.....	12
2.2.2	Class II Railroads.....	16
2.2.3	Class III Railroads.....	17
2.3	Heavy Axle Loads .....	26
2.3.1	Methodology for Determining 286,000 lbs GWR Upgrade Costs for Short Lines.....	27
2.3.2	Summary of 286,00 Lbs GWR Capabilities and Capital Requirements for Indiana Short Lines. ....	29
<b>3.0</b>	<b>BENEFITS OF RAIL FREIGHT SERVICE IN INDIANA .....</b>	<b>29</b>
3.1	Short Line Role .....	31
3.2	Economic and Environmental Benefits .....	31
3.3	Public Funding Impact Analysis .....	32
3.3.1	Economic Benefits and Costs .....	32
3.3.2	Highway Benefits and Costs .....	33
3.3.3	Environmental .....	33
3.3.4	Railroad Funding Benefit Methodology .....	33
3.4	Short Line Network That May Require Public Investment.....	35
<b>4.0</b>	<b>RAIL INTERMODAL FACILITIES .....</b>	<b>36</b>
4.1	Indiana Intermodal Development .....	36
4.2	CSX Intermodal, Inc. (CSXI) And CSXT in Indiana.....	39
4.2.1	Indianapolis.....	40
4.2.2	Evansville.....	41
4.3	Norfolk Southern Railway/Triple Crown Services, Inc.....	41
4.4	Toledo, Peoria & Western Railway .....	43
4.5	Market Potential .....	44
4.5.1	Articulated Intermodal Technology.....	44
4.5.2	Bulk Intermodal .....	45
4.5.3	Water Port Intermodal.....	46
4.5.4	Other Ohio River Ports.....	46
<b>5.0</b>	<b>RAIL PASSENGER ISSUES .....</b>	<b>46</b>

5.1	Current Services .....	46
5.1.1	Amtrak .....	46
5.1.2	The Northern Indiana Commuter Transportation District (NICTD) .....	49
5.2	Incremental Improvements on Passenger Rail Corridors.....	51
5.3	Indiana in the Midwest Initiative .....	52
5.4	Regional Passenger Rail Planning Activities.....	55
5.5	State Passenger Rail Planning Activities .....	57
<b>6.0</b>	<b>PUBLIC AND PRIVATE FINANCIAL ASSISTANCE PROGRAMS.....</b>	<b>58</b>
6.1	Federal Financial Assistance Programs.....	58
6.1.1	Transportation Infrastructure Finance and Improvement Act (TIFIA).....	59
6.1.2	Railroad Rehabilitation and Improvement Financing Program (RRIF) .....	59
6.1.3	Railroad Track Modernization Act of 2001 .....	60
6.2	Potential Funding Under the Federal Highway Program.....	60
6.2.1	National Highway System (NHS) .....	60
6.2.2	Federal Highway Surface Transportation Program (STP).....	60
6.2.3	Federal Highway (STP) Crossing Safety Program.....	60
6.2.4	Federal Highway (STP) Highway Safety Program .....	61
6.2.5	Railroad Crossing Warning Device Upgrades.....	61
6.2.6	Transportation Enhancement Funds.....	61
6.3	State Financial Assistance Programs .....	61
6.3.1	Industrial Rail Service Fund (IRSF).....	61
6.3.2	Passive Grade Crossing Improvement Fund .....	62
6.4	Private Sector Financing and Cost Sharing .....	62
<b>7.0</b>	<b>SAFETY TRENDS .....</b>	<b>62</b>
7.1	Highway/Railroad Grade Crossing Accident Trends .....	62
<b>8.0</b>	<b>RECOMMENDATIONS .....</b>	<b>63</b>
8.1	Action Plan for Funding Improvements .....	63
8.2	Freight and Passenger Project Investments .....	64
8.3	Safety.....	64
8.4	Intermodal Freight and Passenger Facilities.....	64
8.5	Other Recommendations .....	64

<b>Appendix A - Railroad Terminology .....</b>	66
<b>Appendix B - Short Lines in Indiana .....</b>	68
<b>Appendix C - Indiana Counties Served by Short Lines .....</b>	70
<b>Appendix D - Indiana Cities and Towns Served by Short Lines Only .....</b>	71
<b>Appendix E - A Railroad Funding Benefit Methodology .....</b>	73

## **LIST OF TABLES**

Table 2-1 Indiana East-West Rail Corridors .....	4
Table 2-2 Indiana North-South Rail Corridors .....	6
Table 2-3 Indiana Rail Freight Commodities in 1999 .....	6
Table 2-4 Indiana Rail Freight Traffic, 1996-1999 .....	7
Table 2-5 Estimated Indiana Market Shares by Railroad Company-1999.....	7
Table 2-6 Coal Originations and Terminations in Indiana by Rail Carrier.....	9
Table 2-7 Indiana Regional and Short Line Railroads.....	11
Table 2-8 Surface Transportation Mode Market Share for Traffic Originating in Indiana .....	12
Table 2-9 Decision Matrices for Rails, Ties, and Ballast .....	28
Table 5-1 Amtrak Ridership by Station.....	47
Table 5-2 Annual Percentage Change in Amtrak Ridership by Station .....	48
Table 5-3 Amtrak Trains Through Indiana, and Stations Served.....	49
Table 5-4 Services and Amenities Provided at Amtrak Stations in Indiana.....	50
Table 5-5 Services and Amenities Provided at SouthShore Line Stations in Indiana.....	51
Table 5-6 Potential Projects/Improvements.....	52
Table 7-1 Indiana Highway/Railroad Grade Crossing Accidents.....	63

## **LIST OF FIGURES**

Figure 2-1 Traffic Density in Indiana .....	5
Figure 2-2 Coal Mining and Rail Service.....	8
Figure 2-3 Grain Production and Rail Service .....	10
Figure 2-4 CSXT in Indiana .....	13

Figure 2-5 Norfolk Southern in Indiana .....	15
Figure 3-1 Comparison of Efficiency and Cargo Capacity of Freight Surface Modes.....	34
Figure 3-2 Short Lines That May Require Investment - NORTH .....	37
Figure 3-3 Short Lines That May Require Investment - SOUTH .....	38
Figure 4-1 CSX Intermodal Facility, Avon (Indianapolis).....	40
Figure 4-2 CSX Intermodal Facility, Evansville .....	41
Figure 4-3 Norfolk Southern Triple Crown Services Terminal, Fort Wayne.....	42
Figure 4-4 TP&W Intermodal Facility, Remington .....	43
Figure 5-1 Midwest Rail Initiative Corridors.....	53
Figure 5-2 Federally Designated High Speed Rail Routes in Indiana .....	54
Figure B-1 Short Lines - Northern and Central Indiana .....	68
Figure B-2 Short Lines - Northern and Central Indiana .....	69